

Day : Tuesday  
Date: 9/12/2006

Time: 17:04:33

 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = LEIPOLD

First Name = DIRK

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">60771121</a>	Not Issued	20	02/06/2006	Use of divide RF clock with AM modulation capability for power efficient, low spurs, TRP compliant power control loop using a synchronous high frequency switching powers supply and second harmonic synchronous RF loop-back detection in receiver	LEIPOLD, DIRK
<a href="#">09969307</a>	Not Issued	41	10/02/2001	Method and apparatus for asynchronous clock retiming	LEIPOLD, DIRK D.
<a href="#">09312511</a>	<a href="#">6348718</a>	150	05/14/1999	INTEGRATED CMOS CIRCUIT HAVING ACTIVE COMPONENTS FORMED IN A HIGH RESISTIVITY SUBSTRATE WITH A LOW RESISTIVITY CONDUCTIVE LAYER LOCATED UNDERNEATH THE ACTIVE COMPONENTS AND HAVING PASSIVE COMPONENTS FORMED IN OR ON AN INSULATING LAYER	LEIPOLD, DIRK ROBERT WALTER

**Inventor Search Completed:** No Records to Display.

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**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = MUHAMMAD

First Name = KHURRAM

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">60343784</a>	Not Issued	159	12/28/2001	Clock noise suppression by stopping operation of the sampling-mode mixer	MUHAMMAD, KHURRAM
<a href="#">60343938</a>	Not Issued	159	12/28/2001	Current domain sampling in subsampling communication receiver architecture including filter realization with current steering	MUHAMMAD, KHURRAM
<a href="#">60344262</a>	Not Issued	159	12/28/2001	Current domain sampling in subsampling communication receiver architecture including filter realization with current steering and differential coefficients	MUHAMMAD, KHURRAM
<a href="#">60348902</a>	Not Issued	159	10/26/2001	Current steering approach for placing two zeros on folded-over frequencies in decimating FIR filters	MUHAMMAD, KHURRAM
<a href="#">60356620</a>	Not Issued	159	10/25/2001	Sampled domain passive anti-aliasing FIR filter structure with decimation function	MUHAMMAD, KHURRAM
<a href="#">60389872</a>	Not Issued	159	06/19/2002	Graduated exponential bandwidth shifting of an all-digital PLL	MUHAMMAD, KHURRAM
<a href="#">60411814</a>	Not Issued	159	09/18/2002	Active removal of fractional spurs in an ADPLL	MUHAMMAD, KHURRAM
<a href="#">60441080</a>	Not Issued	159	01/17/2003	Type-II-all-digital PLL in deep-submicron CMOS	MUHAMMAD, KHURRAM
<a href="#">60489453</a>	Not Issued	159	07/23/2003	Method of rate conversion together with I-Q mismatch correction and sampler phase adjustment in direct sampling based down-conversion	MUHAMMAD, KHURRAM

<u>60546249</u>	Not Issued	159	02/19/2004	Clock retiming and synchronization method for noise suppression in the digital radio processor	MUHAMMAD, KHURRAM
<u>60776592</u>	Not Issued	20	02/24/2006	Method for spur cancellation by injecting anti-spur in the power supply system	MUHAMMAD, KHURRAM
<u>60776839</u>	Not Issued	20	02/24/2006	Method for LO leakage cancellation by injecting the canceling RF signal through bondwires	MUHAMMAD, KHURRAM

**Inventor Search Completed: No Records to Display.**

	<b>Last Name</b>	<b>First Name</b>	
<b>Search Another: Inventor</b>	<input type="text" value="MUHAMMAD"/>	<input type="text" value="KHURRAM"/>	<input type="button" value="Search"/>

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**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = STASZEWSKI

First Name = ROBERT

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">60728402</a>	Not Issued	20	10/19/2005	Built-in self-test method for digitally controlled xtal oscillator (DCXO)	STASZEWSKI, ROBERT B.
<a href="#">60773721</a>	Not Issued	20	02/15/2006	Built-in self test and characterization of an on-chip RF power amplifier	STASZEWSKI, ROBERT B.
<a href="#">60773759</a>	Not Issued	20	02/15/2006	Scheme to achieve precise delay alignment between amplitude and phase/frequency modulation paths in digital polar transmitters and for closed loop two-point modulation at different injection rates in ADPLL	STASZEWSKI, ROBERT B.
<a href="#">60773775</a>	Not Issued	20	02/15/2006	Linearization of an RF power amplifier	STASZEWSKI, ROBERT B.
<a href="#">60774107</a>	Not Issued	20	02/16/2006	Frequency tuning range extension and modulation resolution improvement of a digitally controlled oscillator	STASZEWSKI, ROBERT B.
<a href="#">60823837</a>	Not Issued	20	08/29/2006	Generation of Local-Oscillator Signal with Non-Integer Multiplication Ratio Between the Local-Oscillator and the RF Frequencies	STASZEWSKI, ROBERT B.
<a href="#">07998474</a>	<a href="#">5376847</a>	150	12/30/1992	PHASE DETECTOR AND METHODOLOGY	STASZEWSKI, ROBERT B.
<a href="#">08072311</a>	<a href="#">5508673</a>	150	06/02/1993	HIGH FREQUENCY TRANSFORMER APPARATUS	STASZEWSKI, ROBERT B.
<a href="#">08092592</a>	Not Issued	161	07/16/1993	TRANSFORMER DEVICE AND OPERATION	STASZEWSKI, ROBERT B.
<a href="#">09053867</a>	<a href="#">6037886</a>	150	04/01/1998	METHOD AND APPARATUS FOR EXTRACTING BAND	STASZEWSKI, ROBERT B.

				AND ERROR VALUES FROM DIGITAL SAMPLES OF AN ANALOG SIGNAL	
<u>09060918</u>	<u>6212664</u>	150	04/15/1998	METHOD AND SYSTEM FOR ESTIMATING AN INPUT DATA SEQUENCE BASED ON AN OUTPUT DATA SEQUENCE AND HARD DISK DRIVE INCORPORATING SAME	STASZEWSKI, ROBERT B.
<u>09224364</u>	<u>6243729</u>	150	12/31/1998	DIGITAL FINITE-IMPULSE-RESPONSE (FIR) FILTER WITH A MODIFIED ARCHITECTURE BASED ON HIGH ORDER RADIX-N NUMBERING	STASZEWSKI, ROBERT B.
<u>09247131</u>	<u>6252733</u>	150	02/09/1999	METHOD AND APPARATUS FOR ACQUIRING A PREAMBLE SIGNAL IN A HARD DISK DRIVE	STASZEWSKI, ROBERT B.
<u>09256420</u>	<u>6636572</u>	150	02/24/1999	HIGH-SPEED DIGITAL TIMING AND GAIN GRADIENT CIRCUIT EMPLOYING A PARALLEL ARCHITECTURE	STASZEWSKI, ROBERT B.
<u>09256568</u>	Not Issued	161	02/24/1999	FINITE-IMPULSE-RESPONSE (FIR) FILTER EMPLOYING A PARALLEL ARCHITECTURE	STASZEWSKI, ROBERT B.
<u>09258045</u>	Not Issued	161	02/25/1999	SYSTEM AND METHOD FOR OPTIMIZING SIGNAL PROCESSING VIA A UNIQUE TRUNCATING AND ROUNDING OPERATION	STASZEWSKI, ROBERT B.
<u>09258594</u>	<u>6442197</u>	150	02/26/1999	PHASE-SHIFT CALCULATION METHOD, AND SYSTEM IMPLEMENTING IT, FOR A FINITE-IMPULSE-RESPONSE (FIR) FILTER	STASZEWSKI, ROBERT B.
<u>09258827</u>	<u>6587529</u>	150	02/25/1999	PHASE DETECTOR ARCHITECTURE FOR PHASE ERROR ESTIMATING AND ZERO PHASE RESTARTING	STASZEWSKI, ROBERT B.
<u>09322671</u>	<u>6191716</u>	150	05/28/1999	HIGH-SPEED DIGITAL CIRCUIT EMPLOYING A BAND-ZERO-	STASZEWSKI, ROBERT B.

				DETERMINATION-ASIDE (B0DA) ARCHITECTURE	
<u>09410510</u>	<u>6618740</u>	150	10/01/1999	METHOD AND ARCHITECTURE FOR CONTROLLING ASYMMETRY OF AN LMS ADAPTATION ALGORITHM THAT CONTROLS FIR FILTER COEFFICIENTS	STASZEWSKI, ROBERT B.
<u>09430385</u>	<u>6523052</u>	150	10/29/1999	METHOD AND ARCHITECTURE TO FACILITATE ACHIEVING A FAST EPR4 EQUALIZATION START-UP IN A MAGNETIC RECORDING READ CHANNEL	STASZEWSKI, ROBERT B.
<u>60122196</u>	Not Issued	159	03/01/1999	METHOD AND ARCHITECTURE TO FACILITATE ACHIEVING A FAST EPR4 EQUALIZATION START-UP IN A MAGNETIC RECORDING READ CHANNEL	STASZEWSKI, ROBERT B.
<u>60122219</u>	Not Issued	159	03/01/1999	HIGH-SPEED CIRCUITS EMPLOYING A BAND-ZERRO-DETERMINATION-ASIDE (B0DA) ARCHITECTURE	STASZEWSKI, ROBERT B.
<u>60122227</u>	Not Issued	159	03/01/1999	METHOD AND ARCHITECTURE OF CONTROLLED ASYMMETRY OF AN LMS ADAPTATION ALGORITHM THAT COTROLS FIR FILTER COEFFICIENTS	STASZEWSKI, ROBERT B.
<u>11015562</u>	Not Issued	30	12/17/2004	Multi-function digital device as a human-input-device for a computer	STASZEWSKI, ROBERT BOGDAN

**Inventor Search Completed: No Records to Display.**

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<input type="text" value="STASZEWSKI"/>	<input type="text" value="ROBERT"/>	<input type="button" value="Search"/>

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**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = LEIPOLD

First Name = DIRK

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09603023</a>	<a href="#">6326851</a>	150	06/26/2000	Digital phase-domain PLL frequency synthesizer	LEIPOLD, DIRK
<a href="#">09608317</a>	<a href="#">6429693</a>	150	06/30/2000	DIGITAL FRACTIONAL PHASE DETECTOR	LEIPOLD, DIRK
<a href="#">09679793</a>	<a href="#">6658748</a>	150	10/05/2000	DIGITALLY-CONTROLLED L-C OSCILLATOR	LEIPOLD, DIRK
<a href="#">09695516</a>	<a href="#">6809598</a>	150	10/24/2000	HYBRID OF PREDICTIVE AND CLOSED-LOOP PHASE-DOMAIN DIGITAL PLL ARCHITECTURE	LEIPOLD, DIRK
<a href="#">09790376</a>	<a href="#">6414555</a>	150	02/22/2001	FREQUENCY SYNTHESIZER	LEIPOLD, DIRK
<a href="#">09798106</a>	Not Issued	120	03/02/2001	Buried layer and method	LEIPOLD, DIRK
<a href="#">09828338</a>	<a href="#">6959049</a>	150	04/06/2001	MULTI-TAP, DIGITAL-PULSE-DRIVEN MIXER	LEIPOLD, DIRK
<a href="#">09838451</a>	<a href="#">6606004</a>	150	04/19/2001	SYSTEM AND METHOD FOR TIME DITHERING A DIGITALLY-CONTROLLED OSCILLATOR TUNING INPUT	LEIPOLD, DIRK
<a href="#">09967275</a>	<a href="#">6593773</a>	150	09/28/2001	POWER SAVING CIRCUITRY USING PREDICTIVE LOGIC	LEIPOLD, DIRK
<a href="#">10001448</a>	Not Issued	41	10/31/2001	Transmit filter	LEIPOLD, DIRK
<a href="#">10006607</a>	<a href="#">6734741</a>	150	11/30/2001	FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED OSCILLATOR	LEIPOLD, DIRK
<a href="#">10099831</a>	<a href="#">7079826</a>	150	03/15/2002	DIGITALLY CONTROLLED ANALOG RF FILTERING IN SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE	LEIPOLD, DIRK

<u>10114227</u>	<u>6882829</u>	150	04/02/2002	INTEGRATED CIRCUIT INCORPORATING RF ANTENNA SWITCH AND POWER AMPLIFIER	LEIPOLD, DIRK
<u>10121761</u>	Not Issued	41	04/12/2002	Sampling mixer with asynchronous clock and signal domains	LEIPOLD, DIRK
<u>10131523</u>	Not Issued	41	04/24/2002	Digital phase locked loop	LEIPOLD, DIRK
<u>10132025</u>	<u>7003276</u>	150	04/25/2002	SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE WITH GAIN CONTROL AND RSSI GENERATION	LEIPOLD, DIRK
<u>10132436</u>	<u>6963732</u>	150	04/25/2002	SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE WITH RELAXED IFA READOUT TIMING	LEIPOLD, DIRK
<u>10132624</u>	Not Issued	41	04/25/2002	Spread spectrum demodulation using a subsampling communication receiver architecture	LEIPOLD, DIRK
<u>10147784</u>	<u>7006813</u>	150	05/16/2002	EFFICIENT CHARGE TRANSFER USING A SWITCHED CAPACITOR RESISTOR	LEIPOLD, DIRK
<u>10154093</u>	<u>6924681</u>	150	05/22/2002	EFFICIENT PULSE AMPLITUDE MODULATION TRANSMIT MODULATION	LEIPOLD, DIRK
<u>10190867</u>	Not Issued	41	07/08/2002	Direct radio frequency (RF) sampling with recursive filtering method	LEIPOLD, DIRK
<u>10273217</u>	<u>7057540</u>	150	10/17/2002	SIGMA-DELTA (SIGMADELTA) ANALOG-TO- DIGITAL CONVERTER (ADC) STRUCTURE INCORPORATING A DIRECT SAMPLING MIXER	LEIPOLD, DIRK
<u>10280156</u>	Not Issued	41	10/25/2002	Removing close-in interferers through a feedback loop	LEIPOLD, DIRK
<u>10301895</u>	<u>7046098</u>	150	11/22/2002	ALL-DIGITAL FREQUENCY SYNTHESIS WITH CAPACITIVE RE- INTRODUCTION OF DITHERED TUNING	LEIPOLD, DIRK



				INFORMATION	
<u>10302029</u>	Not Issued	41	11/22/2002	All-digital frequency synthesis with DCO gain calculation	LEIPOLD, DIRK
<u>10306655</u>	Not Issued	41	11/27/2002	All-digital frequency synthesis with non-linear differential term for handling frequency perturbations	LEIPOLD, DIRK
<u>10448712</u>	Not Issued	161	05/30/2003	RF differential signal squarer/limiter and balancer with high power supply rejection	LEIPOLD, DIRK
<u>10464957</u>	Not Issued	93	06/19/2003	TYPE-II ALL-DIGITAL PHASE-LOCKED LOOP (PLL)	LEIPOLD, DIRK
<u>10464982</u>	Not Issued	30	06/19/2003	Fine-grained gear-shifting of a digital phase-locked loop (PLL)	LEIPOLD, DIRK
<u>10679792</u>	<u>6791422</u>	150	10/06/2003	FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED OSCILLATOR	LEIPOLD, DIRK
<u>10712593</u>	Not Issued	41	11/13/2003	Technique for improving antialiasing and adjacent channel interference filtering using cascaded passive IIR filter stages combined with direct sampling and mixing	LEIPOLD, DIRK
<u>10749654</u>	Not Issued	30	12/31/2003	Predistortion calibration in a transceiver assembly	LEIPOLD, DIRK
<u>10758863</u>	Not Issued	30	01/16/2004	Radio frequency built-in self test for quality monitoring of local oscillator and transmitter	LEIPOLD, DIRK
<u>10759911</u>	Not Issued	90	01/16/2004	ON-CHIP RECEIVER SENSITIVITY TEST MECHANISM	LEIPOLD, DIRK
<u>10759912</u>	<u>7035750</u>	150	01/16/2004	ON-CHIP TEST MECHANISM FOR TRANSCEIVER POWER AMPLIFIER AND OSCILLATOR FREQUENCY	LEIPOLD, DIRK
<u>10827577</u>	<u>7023272</u>	150	04/19/2004	MULTI-BAND LOW NOISE AMPLIFIER SYSTEM	LEIPOLD, DIRK
<u>10828386</u>	Not Issued	30	04/20/2004	Image reject filtering in a direct sampling mixer	LEIPOLD, DIRK
<u>10883501</u>	Not Issued	30	06/30/2004	Method and apparatus for crystal drift compensation	LEIPOLD, DIRK
<u>10927879</u>	Not Issued	30	08/27/2004	Digital amplitude modulation	LEIPOLD, DIRK
<u>10966220</u>	Not Issued	61	10/15/2004	Methods and apparatus to control frequency offsets in digitally	LEIPOLD, DIRK

				controlled crystal oscillators	
<a href="#">11009495</a>	Not Issued	41	12/10/2004	System and method for increasing radio frequency (RF)/microwave inductor-capacitor (LC) oscillator frequency tuning range	LEIPOLD, DIRK
<a href="#">11028995</a>	Not Issued	41	01/03/2005	Sampling mixer with asynchronous clock and signal domains	LEIPOLD, DIRK
<a href="#">11062254</a>	Not Issued	30	02/18/2005	Apparatus for and method of noise suppression and dithering to improve resolution quality in a digital RF processor	LEIPOLD, DIRK
<a href="#">11115815</a>	Not Issued	30	04/26/2005	Low noise high isolation transmit buffer gain control mechanism	LEIPOLD, DIRK
<a href="#">11122670</a>	Not Issued	30	05/04/2005	Wireless communications device having type-II all-digital phase-locked loop (PLL)	LEIPOLD, DIRK
<a href="#">11149859</a>	Not Issued	30	06/10/2005	Gain calibration of a digital controlled oscillator	LEIPOLD, DIRK
<a href="#">11178993</a>	Not Issued	71	07/11/2005	Negative contributive offset compensation in a transmit buffer utilizing inverse clocking	LEIPOLD, DIRK
<a href="#">11195060</a>	Not Issued	41	08/02/2005	Efficient pulse amplitude modulation transmit modulation	LEIPOLD, DIRK
<a href="#">11270121</a>	Not Issued	30	11/09/2005	RF transmission leakage mitigator, method of mitigating an RF transmission leakage and CDMA transceiver employing the same	LEIPOLD, DIRK
<a href="#">11270122</a>	Not Issued	30	11/09/2005	Offset balancer, method of balancing an offset and a wireless receiver employing the balancer and the method	LEIPOLD, DIRK

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**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = LEIPOLD

First Name = DIRK

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">11294060</a>	Not Issued	30	12/05/2005	System and method for implementing transformer on package substrate	LEIPOLD, DIRK
<a href="#">11339386</a>	Not Issued	20	01/25/2006	Removing close-in interferers through a feedback loop	LEIPOLD, DIRK
<a href="#">11388558</a>	Not Issued	41	03/24/2006	Technique for improving antialiasing and adjacent channel interference filtering using cascaded passive IIR filter stages combined with direct sampling and mixing	LEIPOLD, DIRK
<a href="#">60186251</a>	Not Issued	159	03/01/2000	Hybrid of predictive/closed-loop digital PLL operation	LEIPOLD, DIRK
<a href="#">60186384</a>	Not Issued	159	03/02/2000	Method of 0 mask implantation of buried layer	LEIPOLD, DIRK
<a href="#">60186434</a>	Not Issued	159	03/02/2000	Low resistivity metalization using electroplate	LEIPOLD, DIRK
<a href="#">60186445</a>	Not Issued	159	03/02/2000	Bootstrap direct full-band frequency synthesizer	LEIPOLD, DIRK
<a href="#">60186452</a>	Not Issued	159	03/02/2000	Digitally-controlled vco	LEIPOLD, DIRK
<a href="#">60195926</a>	Not Issued	159	04/10/2000	Multi-tap sub-sample mixer architecture	LEIPOLD, DIRK
<a href="#">60198901</a>	Not Issued	159	04/20/2000	TIME DITHERING METHOD OF THE VCO CONTROL INPUT	LEIPOLD, DIRK
<a href="#">60198907</a>	Not Issued	159	04/20/2000	PLL LOOP COMPENSATION SCHEME FOR THE FREQUENCY/PHASE MODULATION	LEIPOLD, DIRK
<a href="#">60199017</a>	Not Issued	159	04/20/2000	PHASE ERROR INPUT RETIMING METHOD OF A VCO	LEIPOLD, DIRK

<u>60199074</u>	Not Issued	159	04/20/2000	REDUNDANT ARITHMETIC IN A DIGITALLY-CONTROLLED VCO	LEIPOLD, DIRK
<u>60242577</u>	Not Issued	159	10/23/2000	Asynchronous clock retiming method	LEIPOLD, DIRK
<u>60267107</u>	Not Issued	159	02/07/2001	Sequence estimation of the digital fractional phase detector output (coupled with "all-digital phase domain PLL frequency synthesizer")	LEIPOLD, DIRK
<u>60276716</u>	Not Issued	159	03/16/2001	Digitally controlled analog RF filtering with a current steering mixer	LEIPOLD, DIRK
<u>60276727</u>	Not Issued	159	03/16/2001	Direct conversion by sampling integrated received signal	LEIPOLD, DIRK
<u>60286564</u>	Not Issued	159	04/25/2001	Digitally controlled analog RF filtering with a current steering mixer	LEIPOLD, DIRK
<u>60286572</u>	Not Issued	159	04/25/2001	Frequency synthesizer architecture of the digital radio processor (v2.0)	LEIPOLD, DIRK
<u>60286787</u>	Not Issued	159	04/25/2001	Relaxing the readout timing of IFA in MTDSM using extra taps	LEIPOLD, DIRK
<u>60293073</u>	Not Issued	159	05/23/2001	Efficient PAM transmit modulation method (v0.2)	LEIPOLD, DIRK
<u>60312602</u>	Not Issued	159	08/15/2001	Direct RF sampling with recursive filtering method	LEIPOLD, DIRK
<u>60313749</u>	Not Issued	159	08/20/2001	Frequency synthesizer with digitally-controlled oscillator	LEIPOLD, DIRK
<u>60313751</u>	Not Issued	159	08/20/2001	Transmit filter	LEIPOLD, DIRK
<u>60313772</u>	Not Issued	159	08/20/2001	Direct RF sampling with recursive filtering method	LEIPOLD, DIRK
<u>60313905</u>	Not Issued	159	08/21/2001	Power saving circuitry using predictive logic	LEIPOLD, DIRK
<u>60333115</u>	Not Issued	159	11/27/2001	Non-linear differential mode of an all-digital PLL	LEIPOLD, DIRK
<u>60333169</u>	Not Issued	159	11/27/2001	Just-in-time DCO gain calculation	LEIPOLD, DIRK
<u>60341578</u>	Not Issued	159	12/17/2001	Time-deffered calculation of variable phase in the ADPLL synthesizer	LEIPOLD, DIRK
<u>60343673</u>	Not Issued	159	12/29/2001	Current domain sampling in subsampling communication	LEIPOLD, DIRK

				receiver architecture including CDMA despreadng	
<u>60343759</u>	Not Issued	159	12/28/2001	Method and apparatus for resampling variable rate data samples for conversion to fixed rate data samples and vice versa in the presence of a high frequency clock	LEIPOLD, DIRK
<u>60343784</u>	Not Issued	159	12/28/2001	Clock noise suppression by stopping operation of the sampling-mode mixer	LEIPOLD, DIRK
<u>60343846</u>	Not Issued	159	12/28/2001	Digital phase-domain PLL frequency synthesizer with differential term for handling frequency perturbations	LEIPOLD, DIRK
<u>60343938</u>	Not Issued	159	12/28/2001	Current domain sampling in subsampling communication receiver architecture including filter realization with current steering	LEIPOLD, DIRK
<u>60344305</u>	Not Issued	159	12/28/2001	Digital phase-domain PLL frequency synthesizer with just-in-time KDCO gain calculation	LEIPOLD, DIRK
<u>60348902</u>	Not Issued	159	10/26/2001	Current steering approach for placing two zeros on folded-over frequencies in decimating FIR filters	LEIPOLD, DIRK
<u>60356620</u>	Not Issued	159	10/25/2001	Sampled domain passive anti-aliasing FIR filter structure with decimation function	LEIPOLD, DIRK
<u>60386290</u>	Not Issued	159	06/05/2002	Digital phase-domain PLL frequendy synthesizer with just-in time KDCO gain calculation	LEIPOLD, DIRK
<u>60389872</u>	Not Issued	159	06/19/2002	Graduated exponential bandwidth shifting of an all-digital PLL	LEIPOLD, DIRK
<u>60411814</u>	Not Issued	159	09/18/2002	Active removal of fractional spurs in an ADPLL	LEIPOLD, DIRK
<u>60441080</u>	Not Issued	159	01/17/2003	Type-II-all-digital PLL in deep-submicron CMOS	LEIPOLD, DIRK
<u>60517119</u>	Not Issued	159	11/03/2003	Smart DCXO frequency offset compensation with temperature sensor and adaptive self calibration algorithm	LEIPOLD, DIRK
<u>60546248</u>	Not Issued	18	02/19/2004	Novel and economic way to increase an RF/microwave LC oscillator frequency tuning range	LEIPOLD, DIRK

<a href="#"><u>60546249</u></a>	Not Issued	159	02/19/2004	Clock retiming and synchronization method for noise suppression in the digital radio processor	LEIPOLD, DIRK
<a href="#"><u>60577508</u></a>	Not Issued	159	06/04/2004	Digital method of amplitude modulation for edge	LEIPOLD, DIRK
<a href="#"><u>60583713</u></a>	Not Issued	159	06/29/2004	Low noise, high isolation gain control scheme for a transmit buffer	LEIPOLD, DIRK
<a href="#"><u>60601586</u></a>	Not Issued	159	08/12/2004	Low noise, high isolation gain control scheme for a transmit buffer	LEIPOLD, DIRK
<a href="#"><u>60728395</u></a>	Not Issued	20	10/19/2005	Fab process definition by calculating transistor invert delay period with TDC	LEIPOLD, DIRK
<a href="#"><u>60765678</u></a>	Not Issued	20	02/06/2006	Power efficient, TRP compliant power control loop using a synchronous high frequency switching powers supply and second harmonic synchronous RF loop-back detection in receiver	LEIPOLD, DIRK
<a href="#"><u>60765679</u></a>	Not Issued	20	02/06/2006	Package inductor for power efficient, TRP compliant power control loop using a synchronous high frequency switching powers supply and second harmonic synchronous RF loop-back detection in receiver	LEIPOLD, DIRK

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**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = STASZEWSKI

First Name = ROBERT

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">11178993</a>	Not Issued	71	07/11/2005	Negative contributive offset compensation in a transmit buffer utilizing inverse clocking	STASZEWSKI, ROBERT B.
<a href="#">11195060</a>	Not Issued	41	08/02/2005	Efficient pulse amplitude modulation transmit modulation	STASZEWSKI, ROBERT B.
<a href="#">11203019</a>	Not Issued	30	08/11/2005	Hybrid polar/cartesian digital modulator	STASZEWSKI, ROBERT B.
<a href="#">11203504</a>	Not Issued	160	08/11/2005	Method and apparatus for a fully digital quadrature modulator	STASZEWSKI, ROBERT B.
<a href="#">11274965</a>	Not Issued	41	11/15/2005	Circuit for high-resolution phase detection in a digital RF processor	STASZEWSKI, ROBERT B.
<a href="#">11297524</a>	Not Issued	30	12/07/2005	Transmitter for wireless applications incorporation spectral emission shaping sigma delta modulator	STASZEWSKI, ROBERT B.
<a href="#">11339386</a>	Not Issued	20	01/25/2006	Removing close-in interferers through a feedback loop	STASZEWSKI, ROBERT B.
<a href="#">11382570</a>	Not Issued	30	05/10/2006	FAST HOPPING FREQUENCY SYNTHESIZER USING AN ALL DIGITAL PHASED LOCKED LOOP (ADPLL)	STASZEWSKI, ROBERT B.
<a href="#">11388558</a>	Not Issued	41	03/24/2006	Technique for improving antialiasing and adjacent channel interference filtering using cascaded passive IIR filter stages combined with direct sampling and mixing	STASZEWSKI, ROBERT B.
<a href="#">11460221</a>	Not Issued	19	07/26/2006	HYBRID STOCHASTIC GRADIENT BASED DIGITALLY CONTROLLED OSCILLATOR GAIN KDCO ESTIMATION	STASZEWSKI, ROBERT B.

<u>60186251</u>	Not Issued	159	03/01/2000	Hybrid of predictive/closed-loop digital PLL operation	STASZEWSKI, ROBERT B.
<u>60198907</u>	Not Issued	159	04/20/2000	PLL LOOP COMPENSATION SCHEME FOR THE FREQUENCY/PHASE MODULATION	STASZEWSKI, ROBERT B.
<u>60199074</u>	Not Issued	159	04/20/2000	REDUNDANT ARITHMETIC IN A DIGITALLY-CONTROLLED VCO	STASZEWSKI, ROBERT B.
<u>60242577</u>	Not Issued	159	10/23/2000	Asynchronous clock retiming method	STASZEWSKI, ROBERT B.
<u>60267107</u>	Not Issued	159	02/07/2001	Sequence estimation of the digital fractional phase detector output (coupled with "all-digital phase domain PLL frequency synthesizer")	STASZEWSKI, ROBERT B.
<u>60286572</u>	Not Issued	159	04/25/2001	Frequency synthesizer architecture of the digital radio processor (v2.0)	STASZEWSKI, ROBERT B.
<u>60293073</u>	Not Issued	159	05/23/2001	Efficient PAM transmit modulation method (v0.2)	STASZEWSKI, ROBERT B.
<u>60312602</u>	Not Issued	159	08/15/2001	Direct RF sampling with recursive filtering method	STASZEWSKI, ROBERT B.
<u>60313749</u>	Not Issued	159	08/20/2001	Frequency synthesizer with digitally-controlled oscillator	STASZEWSKI, ROBERT B.
<u>60313751</u>	Not Issued	159	08/20/2001	Transmit filter	STASZEWSKI, ROBERT B.
<u>60313772</u>	Not Issued	159	08/20/2001	Direct RF sampling with recursive filtering method	STASZEWSKI, ROBERT B.
<u>60313905</u>	Not Issued	159	08/21/2001	Power saving circuitry using predictive logic	STASZEWSKI, ROBERT B.
<u>60333115</u>	Not Issued	159	11/27/2001	Non-linear differential mode of an all-digital PLL	STASZEWSKI, ROBERT B.
<u>60333144</u>	Not Issued	159	11/27/2001	Dither elimination technique of a digital sigma-delta modulator for a DCO-based a DPLL frequency synthesizer	STASZEWSKI, ROBERT B.
<u>60333169</u>	Not Issued	159	11/27/2001	Just-in-time DCO gain calculation	STASZEWSKI, ROBERT B.
<u>60341578</u>	Not Issued	159	12/17/2001	Time-deffered calculation of variable phase in the ADPLL synthesizer	STASZEWSKI, ROBERT B.
<u>60343759</u>	Not Issued	159	12/28/2001	Method and apparatus for resampling variable rate data samples for conversion to fixed	STASZEWSKI, ROBERT B.



				rate data samples and vice versa in the presence of a high frequency clock	
<u>60343784</u>	Not Issued	159	12/28/2001	Clock noise suppression by stopping operation of the sampling-mode mixer	STASZEWSKI, ROBERT B.
<u>60343837</u>	Not Issued	159	12/28/2001	Digital phase-domain PLL frequency synthesizer with dithering inside a digital sigma-delta modulator to reduce spurious output tones	STASZEWSKI, ROBERT B.
<u>60343846</u>	Not Issued	159	12/28/2001	Digital phase-domain PLL frequency synthesizer with differential term for handling frequency perturbations	STASZEWSKI, ROBERT B.
<u>60344305</u>	Not Issued	159	12/28/2001	Digital phase-domain PLL frequency synthesizer with just-in-time KDCO gain calculation	STASZEWSKI, ROBERT B.
<u>60348902</u>	Not Issued	159	10/26/2001	Current steering approach for placing two zeros on folded-over frequencies in decimating FIR filters	STASZEWSKI, ROBERT B.
<u>60356620</u>	Not Issued	159	10/25/2001	Sampled domain passive anti-aliasing FIR filter structure with decimation function	STASZEWSKI, ROBERT B.
<u>60386290</u>	Not Issued	159	06/05/2002	Digital phase-domain PLL frequency synthesizer with just-in-time KDCO gain calculation	STASZEWSKI, ROBERT B.
<u>60389872</u>	Not Issued	159	06/19/2002	Graduated exponential bandwidth shifting of an all-digital PLL	STASZEWSKI, ROBERT B.
<u>60411814</u>	Not Issued	159	09/18/2002	Active removal of fractional spurs in an ADPLL	STASZEWSKI, ROBERT B.
<u>60441080</u>	Not Issued	159	01/17/2003	Type-II-all-digital PLL in deep-submicron CMOS	STASZEWSKI, ROBERT B.
<u>60489453</u>	Not Issued	159	07/23/2003	Method of rate conversion together with I-Q mismatch correction and sampler phase adjustment in direct sampling based down-conversion	STASZEWSKI, ROBERT B.
<u>60546249</u>	Not Issued	159	02/19/2004	Clock retiming and synchronization method for noise suppression in the digital radio processor	STASZEWSKI, ROBERT B.
<u>60550919</u>	Not Issued	159	03/05/2004	Crystal drift compensation in a mobile phone	STASZEWSKI, ROBERT B.

<a href="#">60577508</a>	Not Issued	159	06/04/2004	Digital method of amplitude modulation for edge	STASZEWSKI, ROBERT B.
<a href="#">60583713</a>	Not Issued	159	06/29/2004	Low noise, high isolation gain control scheme for a transmit buffer	STASZEWSKI, ROBERT B.
<a href="#">60601374</a>	Not Issued	159	08/12/2004	LMS-based kappaDCO algorithm	STASZEWSKI, ROBERT B.
<a href="#">60601586</a>	Not Issued	159	08/12/2004	Low noise, high isolation gain control scheme for a transmit buffer	STASZEWSKI, ROBERT B.
<a href="#">60601587</a>	Not Issued	159	08/12/2004	Method and apparatus for a fully digital RF transmitter	STASZEWSKI, ROBERT B.
<a href="#">60629829</a>	Not Issued	159	11/18/2004	A circuit for high-resolution phase detection in a digital radio transceiver	STASZEWSKI, ROBERT B.
<a href="#">60634658</a>	Not Issued	159	12/08/2004	Synthesis of sigma delta modulators from arbitrary noise transfer functions	STASZEWSKI, ROBERT B.
<a href="#">60728270</a>	Not Issued	20	10/19/2005	New ADPLL architecture for low-power cellular applications	STASZEWSKI, ROBERT B.
<a href="#">60728274</a>	Not Issued	20	10/19/2005	Continuous reversible gear-shifting based on IIR filtering recursive operation	STASZEWSKI, ROBERT B.
<a href="#">60728395</a>	Not Issued	20	10/19/2005	Fab process definition by calculating transistor invert delay period with TDC	STASZEWSKI, ROBERT B.

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## Inventor Name Search Result

Your Search was:

Last Name = STASZEWSKI

First Name = ROBERT

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">11464420</a>	Not Issued	19	01/01/0001	Type-II All-Digital Phase-Locked Loop (PLL)	STASZEWSKI, ROBERT
<a href="#">60186445</a>	Not Issued	159	03/02/2000	Bootstrap direct full-band frequency synthesizer	STASZEWSKI, ROBERT
<a href="#">60186452</a>	Not Issued	159	03/02/2000	Digitally-controlled vco	STASZEWSKI, ROBERT
<a href="#">60600147</a>	Not Issued	159	08/10/2004	Methods of hypnosis	STASZEWSKI, ROBERT
<a href="#">60610495</a>	Not Issued	159	09/16/2004	Methods for rapidly inducing medium depth hypnosis, self-hypnosis or meditative states and synergistically incorporating hypnotic suggestions	STASZEWSKI, ROBERT
<a href="#">60198901</a>	Not Issued	159	04/20/2000	TIME DITHERING METHOD OF THE VCO CONTROL INPUT	STASZEWSKI, ROBERT B
<a href="#">60199017</a>	Not Issued	159	04/20/2000	PHASE ERROR INPUT RETIMING METHOD OF A VCO	STASZEWSKI, ROBERT B
<a href="#">09603023</a>	<a href="#">6326851</a>	150	06/26/2000	Digital phase-domain PLL frequency synthesizer	STASZEWSKI, ROBERT B.
<a href="#">09608317</a>	<a href="#">6429693</a>	150	06/30/2000	DIGITAL FRACTIONAL PHASE DETECTOR	STASZEWSKI, ROBERT B.
<a href="#">09679793</a>	<a href="#">6658748</a>	150	10/05/2000	DIGITALLY-CONTROLLED L-C OSCILLATOR	STASZEWSKI, ROBERT B.
<a href="#">09695516</a>	<a href="#">6809598</a>	150	10/24/2000	HYBRID OF PREDICTIVE AND CLOSED-LOOP PHASE-DOMAIN DIGITAL PLL ARCHITECTURE	STASZEWSKI, ROBERT B.
<a href="#">09728180</a>	<a href="#">6851493</a>	150	12/01/2000	DIGITAL PLL WITH GEAR SHIFT	STASZEWSKI, ROBERT B.
<a href="#">09790376</a>	<a href="#">6414555</a>	150	02/22/2001	FREQUENCY SYNTHESIZER	STASZEWSKI,

					ROBERT B.
<u>09828338</u>	<u>6959049</u>	150	04/06/2001	MULTI-TAP, DIGITAL-PULSE-DRIVEN MIXER	STASZEWSKI, ROBERT B.
<u>09838451</u>	<u>6606004</u>	150	04/19/2001	SYSTEM AND METHOD FOR TIME DITHERING A DIGITALLY-CONTROLLED OSCILLATOR TUNING INPUT	STASZEWSKI, ROBERT B.
<u>09967275</u>	<u>6593773</u>	150	09/28/2001	POWER SAVING CIRCUITRY USING PREDICTIVE LOGIC	STASZEWSKI, ROBERT B.
<u>09969307</u>	Not Issued	41	10/02/2001	Method and apparatus for asynchronous clock retiming	STASZEWSKI, ROBERT B.
<u>10001448</u>	Not Issued	41	10/31/2001	Transmit filter	STASZEWSKI, ROBERT B.
<u>10006607</u>	<u>6734741</u>	150	11/30/2001	FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED OSCILLATOR	STASZEWSKI, ROBERT B.
<u>10008462</u>	<u>7006589</u>	150	11/30/2001	FREQUENCY SYNTHESIZER WITH PHASE RESTART	STASZEWSKI, ROBERT B.
<u>10121761</u>	Not Issued	41	04/12/2002	Sampling mixer with asynchronous clock and signal domains	STASZEWSKI, ROBERT B.
<u>10131523</u>	Not Issued	41	04/24/2002	Digital phase locked loop	STASZEWSKI, ROBERT B.
<u>10147784</u>	<u>7006813</u>	150	05/16/2002	EFFICIENT CHARGE TRANSFER USING A SWITCHED CAPACITOR RESISTOR	STASZEWSKI, ROBERT B.
<u>10154093</u>	<u>6924681</u>	150	05/22/2002	EFFICIENT PULSE AMPLITUDE MODULATION TRANSMIT MODULATION	STASZEWSKI, ROBERT B.
<u>10190867</u>	Not Issued	41	07/08/2002	Direct radio frequency (RF) sampling with recursive filtering method	STASZEWSKI, ROBERT B.
<u>10230041</u>	<u>7076513</u>	150	08/28/2002	METHOD AND ARCHITECTURE FOR CONTROLLING ASYMMETRY OF AN LMS ADAPTATION ALGORITHM THAT CONTROLS FIR FILTER COEFFICIENTS	STASZEWSKI, ROBERT B.
<u>10269349</u>	<u>6856925</u>	150	10/11/2002	ACTIVE REMOVAL OF ALIASING FREQUENCIES IN A DECIMATING	STASZEWSKI, ROBERT B.

				STRUCTURE BY CHANGING A DECIMATION RATIO IN TIME AND SPACE	
<u>10273217</u>	<u>7057540</u>	150	10/17/2002	SIGMA-DELTA (SIGMADELTA) ANALOG-TO-DIGITAL CONVERTER (ADC) STRUCTURE INCORPORATING A DIRECT SAMPLING MIXER	STASZEWSKI, ROBERT B.
<u>10280156</u>	Not Issued	41	10/25/2002	Removing close-in interferers through a feedback loop	STASZEWSKI, ROBERT B.
<u>10301895</u>	<u>7046098</u>	150	11/22/2002	ALL-DIGITAL FREQUENCY SYNTHESIS WITH CAPACITIVE RE-INTRODUCTION OF DITHERED TUNING INFORMATION	STASZEWSKI, ROBERT B.
<u>10302029</u>	Not Issued	41	11/22/2002	All-digital frequency synthesis with DCO gain calculation	STASZEWSKI, ROBERT B.
<u>10306655</u>	Not Issued	41	11/27/2002	All-digital frequency synthesis with non-linear differential term for handling frequency perturbations	STASZEWSKI, ROBERT B.
<u>10464957</u>	Not Issued	93	06/19/2003	TYPE-II ALL-DIGITAL PHASE-LOCKED LOOP (PLL)	STASZEWSKI, ROBERT B.
<u>10464982</u>	Not Issued	30	06/19/2003	Fine-grained gear-shifting of a digital phase-locked loop (PLL)	STASZEWSKI, ROBERT B.
<u>10641235</u>	Not Issued	30	08/14/2003	Method of rate conversion together with I-Q mismatch correction and sampler phase adjustment in direct sampling based down-conversion	STASZEWSKI, ROBERT B.
<u>10679792</u>	<u>6791422</u>	150	10/06/2003	FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED OSCILLATOR	STASZEWSKI, ROBERT B.
<u>10712593</u>	Not Issued	41	11/13/2003	Technique for improving antialiasing and adjacent channel interference filtering using cascaded passive IIR filter stages combined with direct sampling and mixing	STASZEWSKI, ROBERT B.
<u>10749654</u>	Not Issued	30	12/31/2003	Predistortion calibration in a transceiver assembly	STASZEWSKI, ROBERT B.
<u>10758863</u>	Not	30	01/16/2004	Radio frequency built-in self test	STASZEWSKI,

	Issued			for quality monitoring of local oscillator and transmitter	ROBERT B.
<u>10828386</u>	Not Issued	30	04/20/2004	Image reject filtering in a direct sampling mixer	STASZEWSKI, ROBERT B.
<u>10883501</u>	Not Issued	30	06/30/2004	Method and apparatus for crystal drift compensation	STASZEWSKI, ROBERT B.
<u>10924159</u>	Not Issued	30	08/23/2004	Active removal of aliasing frequencies in a decimating structure by changing a decimation ratio in time and space	STASZEWSKI, ROBERT B.
<u>10924220</u>	Not Issued	61	08/23/2004	Oscillator system, method of providing a resonating signal and a communications system employing the same	STASZEWSKI, ROBERT B.
<u>10924297</u>	Not Issued	30	08/23/2004	Active removal of aliasing frequencies in a decimating structure by changing a decimation ratio in time and space	STASZEWSKI, ROBERT B.
<u>10924303</u>	<u>7103489</u>	150	08/23/2004	ACTIVE REMOVAL OF ALIASING FREQUENCIES IN A DECIMATING STRUCTURE BY CHANGING A DECIMATION RATIO IN TIME AND SPACE	STASZEWSKI, ROBERT B.
<u>11028995</u>	Not Issued	41	01/03/2005	Sampling mixer with asynchronous clock and signal domains	STASZEWSKI, ROBERT B.
<u>11062254</u>	Not Issued	30	02/18/2005	Apparatus for and method of noise suppression and dithering to improve resolution quality in a digital RF processor	STASZEWSKI, ROBERT B.
<u>11115815</u>	Not Issued	30	04/26/2005	Low noise high isolation transmit buffer gain control mechanism	STASZEWSKI, ROBERT B.
<u>11122670</u>	Not Issued	30	05/04/2005	Wireless communications device having type-II all-digital phase-locked loop (PLL)	STASZEWSKI, ROBERT B.
<u>11149859</u>	Not Issued	30	06/10/2005	Gain calibration of a digital controlled oscillator	STASZEWSKI, ROBERT B.

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**Inventor Name Search Result**

Your Search was:

Last Name = MUHAMMAD

First Name = KHURRAM

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09356388</a>	<a href="#">6259385</a>	150	07/16/1999	SYSTEM FOR DATA TRANSCEIVING USING RUN-LENGTH CONSTRAINED CONVOLUTIONAL CODES	MUHAMMAD, KHURRAM
<a href="#">09356768</a>	Not Issued	161	07/16/1999	SYSTEM FOR FAST RADIX-R VITERBI DECODING STRUCTURES	MUHAMMAD, KHURRAM
<a href="#">09678344</a>	Not Issued	149	10/03/2000	Low-area full adder balanced sum and carry delays	MUHAMMAD, KHURRAM
<a href="#">10006607</a>	<a href="#">6734741</a>	150	11/30/2001	FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED OSCILLATOR	MUHAMMAD, KHURRAM
<a href="#">10099831</a>	<a href="#">7079826</a>	150	03/15/2002	DIGITALLY CONTROLLED ANALOG RF FILTERING IN SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE	MUHAMMAD, KHURRAM
<a href="#">10121761</a>	Not Issued	41	04/12/2002	Sampling mixer with asynchronous clock and signal domains	MUHAMMAD, KHURRAM
<a href="#">10132025</a>	<a href="#">7003276</a>	150	04/25/2002	SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE WITH GAIN CONTROL AND RSSI GENERATION	MUHAMMAD, KHURRAM
<a href="#">10132436</a>	<a href="#">6963732</a>	150	04/25/2002	SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE WITH RELAXED IFA READOUT TIMING	MUHAMMAD, KHURRAM
<a href="#">10132624</a>	Not Issued	41	04/25/2002	Spread spectrum demodulation using a subsampling communication receiver	MUHAMMAD, KHURRAM



				architecture	
<u>10147784</u>	<u>7006813</u>	150	05/16/2002	EFFICIENT CHARGE TRANSFER USING A SWITCHED CAPACITOR RESISTOR	MUHAMMAD, KHURRAM
<u>10190867</u>	Not Issued	41	07/08/2002	Direct radio frequency (RF) sampling with recursive filtering method	MUHAMMAD, KHURRAM
<u>10269349</u>	<u>6856925</u>	150	10/11/2002	ACTIVE REMOVAL OF ALIASING FREQUENCIES IN A DECIMATING STRUCTURE BY CHANGING A DECIMATION RATIO IN TIME AND SPACE	MUHAMMAD, KHURRAM
<u>10273217</u>	<u>7057540</u>	150	10/17/2002	SIGMA-DELTA (SIGMADELTA) ANALOG-TO-DIGITAL CONVERTER (ADC) STRUCTURE INCORPORATING A DIRECT SAMPLING MIXER	MUHAMMAD, KHURRAM
<u>10280156</u>	Not Issued	41	10/25/2002	Removing close-in interferers through a feedback loop	MUHAMMAD, KHURRAM
<u>10464957</u>	Not Issued	93	06/19/2003	TYPE-II ALL-DIGITAL PHASE-LOCKED LOOP (PLL)	MUHAMMAD, KHURRAM
<u>10464982</u>	Not Issued	30	06/19/2003	Fine-grained gear-shifting of a digital phase-locked loop (PLL)	MUHAMMAD, KHURRAM
<u>10641235</u>	Not Issued	30	08/14/2003	Method of rate conversion together with I-Q mismatch correction and sampler phase adjustment in direct sampling based down-conversion	MUHAMMAD, KHURRAM
<u>10679792</u>	<u>6791422</u>	150	10/06/2003	FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED OSCILLATOR	MUHAMMAD, KHURRAM
<u>10712593</u>	Not Issued	41	11/13/2003	Technique for improving antialiasing and adjacent channel interference filtering using cascaded passive IIR filter stages combined with direct sampling and mixing	MUHAMMAD, KHURRAM
<u>10828386</u>	Not Issued	30	04/20/2004	Image reject filtering in a direct sampling mixer	MUHAMMAD, KHURRAM
<u>10832531</u>	Not Issued	41	04/27/2004	Programmable loop filter for use with a sigma delta analog-to-	MUHAMMAD, KHURRAM

				digital converter and method of programming the same	
<u>10924159</u>	Not Issued	30	08/23/2004	Active removal of aliasing frequencies in a decimating structure by changing a decimation ratio in time and space	MUHAMMAD, KHURRAM
<u>10924297</u>	Not Issued	30	08/23/2004	Active removal of aliasing frequencies in a decimating structure by changing a decimation ratio in time and space	MUHAMMAD, KHURRAM
<u>10924303</u>	7103489	150	08/23/2004	ACTIVE REMOVAL OF ALIASING FREQUENCIES IN A DECIMATING STRUCTURE BY CHANGING A DECIMATION RATIO IN TIME AND SPACE	MUHAMMAD, KHURRAM
<u>11028995</u>	Not Issued	41	01/03/2005	Sampling mixer with asynchronous clock and signal domains	MUHAMMAD, KHURRAM
<u>11059147</u>	Not Issued	30	02/16/2005	Methods and apparatus to perform signal removal in a low intermediate frequency receiver	MUHAMMAD, KHURRAM
<u>11062254</u>	Not Issued	30	02/18/2005	Apparatus for and method of noise suppression and dithering to improve resolution quality in a digital RF processor	MUHAMMAD, KHURRAM
<u>11122670</u>	Not Issued	30	05/04/2005	Wireless communications device having type-II all-digital phase-locked loop (PLL)	MUHAMMAD, KHURRAM
<u>11159727</u>	Not Issued	30	06/23/2005	Methods and apparatus to compensate for I/Q mismatch in quadrature receivers	MUHAMMAD, KHURRAM
<u>11264442</u>	Not Issued	30	11/01/2005	Method for automatic gain control (AGC) by combining if frequency adjustment with receive path gain adjustment	MUHAMMAD, KHURRAM
<u>11270121</u>	Not Issued	30	11/09/2005	RF transmission leakage mitigator, method of mitigating an RF transmission leakage and CDMA transceiver employing the same	MUHAMMAD, KHURRAM
<u>11270122</u>	Not Issued	30	11/09/2005	Offset balancer, method of balancing an offset and a wireless receiver employing the	MUHAMMAD, KHURRAM

				balancer and the method	
<u>11339386</u>	Not Issued	20	01/25/2006	Removing close-in interferers through a feedback loop	MUHAMMAD, KHURRAM
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